

TURBINE OR COMPRESSOR DEVICE AND METHOD FOR ASSEMBLING THE DEVICE

Abstract

Method and arrangement for providing a turbine or compressor device having a rotor (1), that includes a first rotor section (2) having at least one disc-shaped or annular element (3) which has a multiplicity of blades (4) arranged in series on a circumferential path for guiding a gas flow, and a second, elongate rotor section (5) which projects at right-angles from the rotor disc (3) and which has a rotor shaft (6) connected to the rotor disc. A first and second bearing (8, 9) are fitted at a distance from one another along the rotor shaft (6), and the first bearing (8) is arranged closer to the rotor disc (3) than the second bearing (9). The bearing holder (25) of the first bearing (8) has a greater outside width than other than other components (9, 14, 15, 31) arranged on the rotor shaft (6) between the first bearing (8) and the free end of the rotor shaft (7).